

ABSTRACT

The present invention provides a method and system of transceiving a data signal in a HomePNA type network. The transceiver enables digital signal processing of the data signal compliant with the HomePNA 10M8 specification in an Open System Interconnection type network over a shared medium such as a client's home phoneline (1206). The transceiver can be implemented in each station (1202) of the HomePNA single-segment network (1204) in which each station is logically connected to the same shared channel on the phonewire (1206). The transceiver enables transmission of the data signal in burst on the shared channel while complying with the spectral mask (310), temporal mask (330) and other electrical requirements as specified in the HomePNA 10M8 technology.